

CALL IN NUMBER:
PARTICIPANT CODE:

(b) (5), (b) (6)

Project Notes

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Client	USACE New Bedford Office	Date	August 17, 2016	
Project	New Bedford Harbor Superfund Site	Project No.	35BG1001	
Prepared By	Steve Sills	Note No.	593	
Subject	New Bedford Harbor - Client Update Meeting			
Participants	(* Denotes Part Time Participation)	Distribution (attendees plus)	See below	
<u>Client</u>	<u>EPA</u>	<u>MassDEP</u>	<u>Jacobs</u>	<u>Battelle</u>
Ellen Iorio	Dave Lederer	Joe Coyne	Mark Gouveia	Patty White
Peter Hugh	Elaine Stanley		Anita Rigassio Smith	Jessica Tenzar
Kevin Colman	Ginny Lombardo	<u>Sevenson</u>	Steve Sills	
Bob Christie		Mike Brouillette	Steve Fox	
Christine Johnson		Joe Mahoney	Tim Harrington	
Chris Veinotte				
Mike Kaminski				

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1 SAFETY, SITE MAINTENANCE, AND PUBLIC INQUIRIES

- **Safety** – Traffic continues to be bad due to construction around the site. Please plan your routes to and from the site accordingly. In addition, Jacobs (Mark) will contact the City of New Bedford about putting in a cross walk along Sawyer Street from the site to Market Basket.
Hotter temperatures continue. Be aware of the potential for heat stress and stay hydrated. Thunderstorms and lightning will be more frequent. Be sure to observe radio communications and allow adequate time to safely get off the water before storms arrive.
- **Site Maintenance** – Jacobs continues normal site maintenance at the Area C facility. The upgraded security system that includes electronic key access and cameras are fully functional. The man gate is now locked at all times. Talk to Josh or Mark about getting a key fob.

2 JACOBS 2016 FIELD ACTIVITIES

- **Upper Harbor Debris Removal** – Friday (8/12) was Day 37 of debris removal at the former NSTAR cable crossing and operations are complete except for the area around the boat wreck. CR Environmental completed high resolution side scan sonar across the find on 7/21 and a 60 foot buffer has been set-up around the boat where debris removal activities cannot be conducted. Jacobs (Josh) has requested costs from CR Environmental for completion of David Robinson's following recommendations for the next steps: a sub-bottom profile; magnetometer; and bottom probing on a 1-meter grid.
- **LH Mechanical Dredging, Areas A33/33A, 36A, B33 & 35B** – Monday (8/15), was Day 40 overall of activities in Areas A33/33A (complete pending confirmation), 36A (complete pending confirmation) and B33 (complete pending confirmation). A total of 1,875 CY was dredged from B33.
Dredging in Area 35B began on Thursday (8/11). As of Monday (Day 3), 1,282 cy had been dredged as part of the first pass of the dredging of Area 35B.
Jacobs (Mark) will continue to coordinate with Battelle (Jessica) for water quality monitoring during the barge placements into the CAD cell.
- **N/C - CAD Cell Curtain** – An estimated 600 feet of curtain has been removed from the harbor to date. No additional curtain remnants from previous work have been identified and removed from the vicinity of the CAD

Distribution: Participants; **Jacobs**: Document Control File, Mike Anderson, Jackie Connor, Josh Cummings, Lonnie Fallin, Steve Fox, Mark Gouveia, Al Hardesty, Sean Healey, Debra Hickman, Alison Hutchinson, Kirk Morris, Mike Morris, Jim Piccuito, Steven Sills, Anita Rigassio Smith, Ann Webb, Poinciana Willis, Carl Wilson, Mary Wright, Ken Gaynor; **Sevenson**: Mike Crystal, Marcus Dickhut; **USACE**: Tim Rezendes, Kevin Coleman, Bob Christie, Jay Mackay, Marcos Paiva, Ellen Iorio, Sheila Winston-Vincillia, Peter Hugh, Steve Wolf, Marie Esten, Christine Johnson; **EPA**: Cynthia Catri, David Peterson, Elaine Stanley, Ginny Lombardo, Dave Lederer, Barb Bergen; **MADEP**: Joe Coyne, Paul Craffey; **Battelle**: Deirdre Dahlen, Jessica Tenzar, Patricia White, John Lally; **KOMEN**: Debi Heims, John Fitzgerald
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Day 45 of Summer
8 35B
4319

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cell this week. During dredging, daily inspections are being conducted. In the 2016/2017 Remediation Negotiated Settlement Document a full set of curtain replacement costs were included. The USACE (Marie) sent Jacobs (Mark) some photos of the curtain and he will attempt to find out who was completing the work presented in the photos.

Since this is a long lead item, the USACE (Ellen) and EPA (Dave) authorized Jacobs and SES to order the silt curtain for the Firm Fixed Price (FFP) contract. USACE (Marie) will check on the type of curtain that was used during the OU-3 capping work that was completed outside of the Hurricane Barrier. In addition, John Lally had some ideas on silt curtain installation and maintenance that the USACE (Ellen) will forward to Jacobs.

- **Progress Bathymetry Survey** – A progress survey will be conducted this Friday, (8/19), at Area 35B.
- **Cross-Sections** – The NAE (Ellen) has sent Jacobs (Mark) the cross sections that APEX created for the slopes of CAD Cell 2, which provide examples of slope stability. EPA (Dave) suggested performing bathy surveys of the CAD Cell at the completion of each dredge area. Jacobs is currently reviewing imagery and working with CR (Jeff). There is the potential of an offset associated with the datums used in the past vs. recent surveys. In addition, Jacobs (Anita) will discuss with USACE (Tim) on the type of graphics that Jacobs would provide representing the CAD cell.

3 BATTELLE FIELD ACTIVITIES/SAMPLE COLLECTION AND PROCESSING

- **Lower Harbor Water Quality Monitoring** – Boat-based WQM was performed Monday, (8/15), to monitor dredging operations at 35B and a placement in the CAD cell. No exceedances were observed.
- **Upper Harbor Water Quality Monitoring** – Debris Removal is complete in the Upper Harbor Cable Crossing Area. No boat-based WQM activities are planned for this week.
- **N/C - Phase 4 Intertidal Sampling** – Additional sampling tentatively scheduled for August once locations identified, approved and access agreements are in place.
PCB testing complete except for about 13 congener samples (not including additional deeper intervals samples). Pre-validated results will be available early next week. The list of deeper intervals for analysis will be submitted after these results are reviewed.
- **N/C - Verification/Confirmatory Sampling at Areas 33A & A33** – PCB congener analysis is in progress; pre-validated results should be available tomorrow.
- **Cliffex Sampling** – Being performed today (8/17). Ray Holberger, Environmental Planner for the City of New Bedford, will observe the field sampling.
- **B33 verification sampling** – proposed sample location map was sent out on Monday (8/15) and sampling will be performed on Friday. Input on sample locations received from Jacobs.

4 JACOBS SAMPLE PROCESSING

- **Verification sampling results** – Anticipate receiving samples from B33 from Battelle by Friday, (8/19).

5 BATTELLE REPORTS/DOCUMENTS

- **N/C - Intertidal Phase 2 Study Report** – All comments on the draft report have been received. EPA (Ginny) requested a set of individual parcel maps. These maps will be submitted after the GIS files for the Riverwalk easement are received from the City's contractor.
- **N/C - Intertidal Phase 3 Study Report** – All comments have been received. When available, the Phase 4 results for the Lower Harbor will be integrated into the Phase 3 report.
- **WQM Report** – The Final report and Response to Comments (RTC) were posted to the project SharePoint site on Monday (7/25). Battelle (Deirdre, Patty) and USACE (Marie) had a follow-up call on Friday (7/29) to discuss the RTC; based on the outcome of that call there will be some additional revisions to the report/RTCs which will be made in RLSO and sent to USACE (Marie) for her review when she returns from vacation.
- **N/C - Sediment Report** – Draft will be ready by the end of August. 9/30
- **Lower Harbor Core Comparison Study** – The revised draft technical memorandum is in review by USACE (Ellen). At the request of USACE (Ellen), Jacobs and John Lally have reviewed the draft final memo and provided comments. Battelle (Patty) will update the memo in RLSO and prepare RTCs, and send to USACE

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(Marie) for her review when she returns from vacation. Battelle (Patty) will also meet with John Lally next week to talk through resolution of his comments. **LH**

- ~~MU G36, H36, I36, J36, K36 and L36~~ **Confirmatory Sampling Report** – One report covering all LH areas will be created at the completion of confirmatory sampling. Battelle has setup a SharePoint folder and uploaded the confirmatory sample results (i.e., field logs, sample location map(s) and PCB congener results) for each confirmatory event so that these results are accessible prior to preparation of the report. Validated PCB congener results for MU36 have been will be uploaded to the SharePoint folder; results are unchanged.
- **N/C - Addendum to Phase I Report** – This addendum will include the Phase 4 results for samples collected in the Phase 1 study area.
- **Groundwater Monitoring FSP** – The Draft FSP should be available for USACE and EPA review by the end of August.
- **Water Quality Monitoring FSP** – The Draft FSP should be available for USACE and EPA review by the end of August. **AFTER SEPT 5**

6 JACOBS REPORTS/DOCUMENTS

- **Updated Intertidal Volumes** – Jacobs (AI) has tabulated and distributed to the USACE (Ellen) and Battelle the quantities (78,000) by both the Parcel and the new intertidal planning areas.
- **Pierce Mill Cove Plan** – On Monday, (8/15), Jacobs (Anita) distributed the Draft Final Pierce Mill Cove Intertidal Remediation Plan to the EPA and USACE.
The proposed restoration portion of the Draft Work Plan will be submitted at a later date as an addendum to the Draft Work Plan. Once Jacobs (AI) updates that Intertidal volume, the plans for restoration of Pierce Mill Cove will be completed, which is currently anticipated by the end of the month. The USACE (Ellen) indicated that she would like to complete Pierce Mill Cove remediation the winter of 2016/2017. Both the PMC Work Plan and the PMC Restoration Plan will have to be finalized prior to initiating field work.
- **LH Mechanical Dredging/Areas 33A & A33** – John Lally's comments have been incorporated into the Draft. Addenda for future areas (B33, A34, etc.) will be provided which detail changes in approach and/or equipment going forward per USACE/EPA direction. An RCL is being generated which will be sent out with the Draft Final document early next week.
- **N/C - Parcel 265 After Action Report** – The document is currently in internal review and anticipate submittal of the Draft in several days.
- **N/C - Remediation Work Plan for BtB Intertidal Areas** – On hold.
- **N/C - 2015 Data Summary Report (DSR)** – Draft will ready in October.
- **N/C - Develop Final Dredge Depths for the Fate & Transport Model** – Ongoing
- **Best Value Contract Quantity Update** – Updated quantities and several scenarios were proposed on the 8/8 webinar. Jacobs has provided revised estimates and will present the final dredge areas for the LH today, (8/17). If acceptable, Jacobs will proceed with producing the revised drawings for the P&S.

7 AIR MONITORING

- **June Air Sampling Results** – On 6/23, the EPA (Elaine and Ginny), and Jacobs (Steve Fox, Lonnie, and Mike Morris) met in New Bedford to discuss the information provided by Jacobs (Carl) and decided to try the new method for several rounds and compare the results/effectiveness. During the 6/28 sampling event, a duplicate sample from one of the locations was submitted for analysis by the PCB aroclor method (GC/ECD). The duplicate sample was collected using the same low flow method and associated sample media. The analytical results were received for the 6/28 sampling event and the sample was non-detect for PCB aroclors at a reporting limit of 139 ng/m³. Jacobs and Cashins (air sampling subcontractor) is researching other labs that can provide the lower detection limits for the PCB aroclor method (GC/ECD). The remainder of the 6/28 sampling data has been received and will be distributed by the end of the week.
- **N/C - July Ambient Air Sampling Activities** – The July sampling rounds for the Upper Harbor Debris Removal and Lower Harbor Dredging activities were completed on 7/21 and 7/28, last week. We are awaiting the

Not
Comment
Signed

detected
limits
4 ng/m³

Bob
Cashins - fully for ALP

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	<p>preliminary results.</p> <ul style="list-style-type: none"> • August Ambient Air Sampling Activities – The August sampling round for the Upper Harbor Debris Removal was completed on 8/12. The August Lower Harbor sampling round will be performed this Thursday and Friday, (8/18 and 8/19). • N/C - 2014/2015 Ambient Air Report – Jacobs (Mike Morris) will complete the air report after he completes the 2012 AVX cross-section updates. Jacobs will provide a completion date in late August. — <i>Lead on this</i>
8	ARCHAEOLOGY <ul style="list-style-type: none"> • N/C - Phase II Archaeological Investigation Work Plan – CR Environmental has submitted the permit for regulatory review by Massachusetts BUAR and MHC. The Massachusetts BUAR and MHC have approved the permit for the Phase II Archeological Investigation. Jacobs (AI) has provided EPA (Ginny) with the list, and associated map, of the properties that Public Archeology Laboratory, Inc. (PAL) would like to visit on 8/29. The purpose of the walkover is to review the proposed access roads. Work is anticipated to start in September. • N/C - Phase II Archaeological Investigation Preparations – EPA (Ginny) has sent out copies of the 2000-2001 artifact release forms to property owners that have not changed. New artifact release forms for properties that have changed hands are being developed by the EPA (Max and Ginny). Also, the Buzzards Bay Coalition (BBC) has discussed with the EPA (Max) that they do not want to sign the artifact release form. If any artifacts are found on their property, the BBC would like to display them at their New Bedford Office. The EPA (Ginny) will reach out to USACE (Marcos) for clarification on this issue. Should any artifacts be found on private property, the private property owners would be responsible for deconning the artifacts. EPA (Dave) will check on status and update the team next week. • N/C - UH Debris Removal – David Robinson has evaluated the anchors recovered in 2015 and indicated that one anchor appears to be from the 1800s. He is preparing a summary report. Another anchor was discovered on the first day of Upper Harbor debris removal, (4/22). The anchor has been stored for future evaluation. As discussed earlier, the week of 7/4, a potential find was encountered during debris removal. A 250' buffer zone was set and DSR (David Robinson) was notified. The side scan survey was completed on 7/21, and based upon David Robinson's review of the data, the buffer zone was reduced from 250 foot buffer to a 60 foot buffer.
9	EXTERNAL MEETINGS <ul style="list-style-type: none"> • N/C - City of New Bedford Update – During the 5/11 meeting, the City of New Bedford (CoNB) asked if any of the debris that will remain outside of the EPA dredge areas could represent navigational hazards for boating or rowing in the future. Jacobs (Josh) will work with the EPA (Ginny) to identify and present to the CoNB the locations of any potential hazards to boating and navigation. In addition, EPA (Ginny) is attempting to get the GIS data for the Riverwalk from the CoNB. EPA will also provide the Draft Final Pierce Mill Cove Intertidal Remediation Plan to the CoNB (Michelle). Once she receives the Restoration Plan for Pierce Mill Cove, EPA (Ginny) will meet with the CoNB to discuss upcoming activities. • N/C - City of New Bedford Outreach – Coordinators are out in the field now approximately 7-10 hours per week. EPA (Dave) indicated that an update on the progress of Lower Harbor dredging will be posted in the Standard Times this Friday. EPA (Dave) also met with the BBC recently and stated that no particular concerns were brought up. • N/C - Passive Air Monitoring Program – On 8 September 2016, the University of Iowa and Boston University (BU) will be meeting with the EPA and USACE to discuss their passive air monitoring activities and the associated results. The EPA (Dave) requested that the Jacobs air modeler (Changsheng Lu) attend the 9/8 meeting.
11	AEROVOX <ul style="list-style-type: none"> • Aerovox 21e Project – The EPA (Ginny) indicated that the MassDEP has provided AVX an extension on a Phase III Remedial Action Plan, which was due 7/11. However, the EPA (Ginny) does not have an extension date. The MassDEP received the IRA modification from AVX on 4/15, which EPA (Ginny) distributed to select members of the team. The EPA (Ginny) provided MassDEP (Angela) with comments on the IPA Modification, which were accepted by MassDEP. The document was supposed to be distributed by MassDEP on 6/3. The

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document was not distributed, however, a second draft of the letter was sent to the EPA (Elaine), who reviewed and provided additional comments to the MassDEP (Angela).

According to EPA (Elaine), the Phase III Remedial Action Plan is due 8/22. She also indicated that she would forward the IRA status report #7 to the team, which presents the upcoming AVX proposed site excavation activities. The installation of sheet piles that will be installed around the two excavation areas, was to be initiated this week. AVX, MassDEP, and EPA will conduct weekly calls to discuss the status of activities.

Jacobs (Mike Morris) has completed the new cross sections that were requested by the EPA. These five (5) cross sections include the Battelle 2015 boring information, as well as the 2015 AVX borings/data. The updated 2012 Jacobs cross sections were distributed to EPA (Elaine) and USACE (Ellen) for review. Comments are pending. Based upon the review the decision will be made to complete a 3-D representation of composite cross section.

12 MANOMET NORTH BOOSTER PUMP

- **N/C - City of New Bedford UST Clean-up Activities** – The CoNB has completed their Phase II Remediation activities at the underground storage tank (UST) that is located north of the booster pump location.

On 4/19, the CoNB's subcontractor completed a geoprobe investigation that included borings under the location of the 2015 booster pump pad. Jacobs (Mary Wright) visited the booster pump pad and did not locate any monitoring wells at the site. The EPA (Elaine) has received a map of the well locations and will forward it to Jacobs.

CONTRACT ACTIONS

	DESCRIPTION	ACTION REQUIRED BY	NEED DATE
1	USACE to award Jacobs the incentive fees for TO 1, negotiate incentive fees for TO 6, TO 7, and TO 8. USACE (Kevin) is currently working on TO 6 and will then proceed to TO 7 & TO 8.	USACE	Prior to 9/30 (end of FY)
2	Bathymetric survey contract for mechanical dredging in the Lower Harbor.	USACE	2/1/2017
3	FFP-BV Final Plans and Specs.	USACE	Sept 2016

ACTION ITEMS

	DESCRIPTION	ACTION REQUIRED BY	NEED DATE
1	N/C - Sawyer Street Decommissioning Plan – Jacobs to develop Draft Outline including list of as-builts and detail of the activities needed to decommission Cell 1, Cell 2 and Cell 3.	USACE/Jacobs	TBD
2	N/C - Pilot CDF – Jacobs to develop Draft Outline of WP including TSCA cover and support EPA in developing a GERE.	USACE/Jacobs	TBD
3	N/C - Complete Fate and Transport Food Model Report – EPA, (Barb Bergen) and ERDC (Earl) have completed their analysis of the modeling data on the sediment transport and sediment load at the request of the EPA. According to EPA (Ginny) the model matches well with the LTM data. Discussion with ERDC on 6/27.	USACE/ERDC USACE	TBD
4	N/C - Cleanup Strategy Meeting – Dredging optimization (John Lally)	USACE, EPA MassDEP	8/18

5	N/C - Well MW3 in the DDA – Jacobs (Mark) inspected the well and recommended that once the Parcel 265 material is removed from the DDA, that he will have SES excavate and evaluate the condition of the extra piece of PVC that was added to the well during the construction of the DDA. Battelle will be sampling this well during the summer groundwater sampling event.	Jacobs	Sept
6	N/C - Area T Storm Water/CSO Outlet – The CoNB continues on the replacement of the existing 24-inch clay pipe with a 48-inch pipe. The discharge point is located in the southwestern corner of Area T, at the southwestern corner of the Upper Harbor adjacent to the Coggeshall Street Bridge to the south and the 7-11 to the east. Also, the temporary cap will not be placed on selected portions of Area T until after the City completes its activities in the spring. Based on discussions between EPA (Ginny) and CoNB, the new outfall is being constructed in the same location as the previous location. Jacobs will get copies of the as-builts, which will be incorporated into the Parcel 265 report. In addition, neither Jacobs (Mark), nor EPA (Ginny), have heard anything on the CoNBs plans for the upgrading of the CSO that is located at the end of Washburn Street.	EPA, USACE, and Jacobs	TBD
7	Access to BtB – Access will now be made through the Town of Fairhaven's property. Current access agreement with the property owner is for sampling only. EPA (Dave) is currently working on amending the agreement to allow for remediation and has asked for details of the upcoming work so that he can discuss them with the laundromat owner.	EPA/Jacobs <i>need letter on this</i>	TBD
8	N/C - Site visit for FFP-BV – Will be rescheduled after dredge design review.	USACE	TBD
9	N/C - Upper Harbor debris status for City of New Bedford	Jacobs	TBD

PLANNING ACTIVITIES

	DESCRIPTION	ACTION REQUIRED BY	NEED DATE
1	N/C - New Bedford Rail Bridge Replacement – 9/28/2015 was the last day of shipment of material from Area D by rail. The bridge is out of service. Based on a Standard Times article, the MassDOT is on schedule for completing the bridge in October 2016 with road work to follow that should not impact the rail bridge. Following the 2/11/16 meeting with MassDOT, EPA, and the USACE (Paul), has e-mailed MassDOT about getting re-imbursement from MassDOT for the delays. EPA (Elaine) will also write a letter to the MassDOT on the additional costs for trucking the material from Area D versus transport by rail.	EPA	Ongoing